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0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	PCT-EASY Version 2.92 (updated 01.07.2003)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Korean Intellectual Property Office (RO/KR)
0-7	Applicant's or agent's file reference	SH-18951-PCT
I	Title of invention	HIGH DENSITY RECORDING MEDIUM WITH SUPER-RESOLUTION NEAR-FIELD STRUCTURE MANUFACTURED USING HIGH-MELTING POINT METAL OXIDE OR SILICON OXIDE MASK LAYER
II	Applicant	
II-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	SAMSUNG ELECTRONICS CO., LTD.
II-5	Address:	416 Maetan-dong, Paldal-gu Suwon-city 442-373 Kyungki-do Republic of Korea
II-6	State of nationality	KR
II-7	State of residence	KR
II-8	Telephone No.	82-31-200-3698
II-9	Facsimile No.	82-31-200-3272
II-10	e-mail	sion@samsung.com
II-11	Applicant's registration No. with the Office	1-1998-104271-3

III-1	Applicant and/or inventor	
III-1-1	This person is:	applicant only
III-1-2	Applicant for	all designated States except US
III-1-4	Name	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY
III-1-5	Address:	1-3-1 Kasumigaseki Chiyoda-ku, Tokyo 100-8921 Japan
III-1-6	State of nationality	JP
III-1-7	State of residence	JP
III-2	Applicant and/or inventor	
III-2-1	This person is:	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	KIM, Joo-Ho
III-2-5	Address:	104-901 SK Apt., 700 Seocheon-ri, Giheung-eup Yongin-si 449-900 Gyeonggi-do Republic of Korea
III-2-6	State of nationality	KR
III-2-7	State of residence	KR
III-3	Applicant and/or inventor	
III-3-1	This person is:	applicant and inventor
III-3-2	Applicant for	US only
III-3-4	Name (LAST, First)	TOMINAGA, Junji
III-3-5	Address:	111 Higashi Tsukubasi, Ibaraki 305-8562 Japan
III-3-6	State of nationality	JP
III-3-7	State of residence	JP
IV-1	Agent or common representative; or address for correspondence	
	The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	LEE, Young-Pil
IV-1-2	Address:	The Cheonghwa Building, 1571-18 Seocho-dong, Seocho-gu 137-874 Seoul Republic of Korea
IV-1-3	Telephone No.	82-2-588-8585
IV-1-4	Facsimile No.	82-2-588-8547
IV-1-5	e-mail	iplaw@ypleepat.com
IV-1-5	Agent's registration No.	9-1998-000334-6

V	Designation of States	
V-1	Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	<p>AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT</p> <p>EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT</p> <p>EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT</p> <p>OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT</p>
V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	<p>AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH&LI CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW</p>
V-5	Precautionary Designation Statement In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.	
V-6	Exclusion(s) from precautionary designations	NONE
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	26 September 2002 (26.09.2002)
VI-1-2	Number	2002-281783
VI-1-3	Country	JP
VII-1	International Searching Authority Chosen	Korean Intellectual Property Office (KIPO) (ISA/KR)

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VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	—	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	—	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	—	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	—	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	—	
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	5	—
IX-2	Description	7	—
IX-3	Claims	1	—
IX-4	Abstract	1	EZABST00.TXT
IX-5	Drawings	4	—
IX-7	TOTAL	18	
	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	—
IX-9	Original separate power of attorney	✓	—
IX-13	Priority document(s)	Item(s) VI-1	—
IX-17	PCT-EASY diskette	—	Diskette
IX-19	Figure of the drawings which should accompany the abstract	2	
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	LEE, Young-Pil	

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10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/KR

PCT REQUEST

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10-6	Transmittal of search copy delayed until search fee is paid	
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11-1	Date of receipt of the record copy by the International Bureau	
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PCT (ANNEX - FEE CALCULATION SHEET)

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(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only			
0-1	International Application No.			
0-2	Date stamp of the receiving Office			
0-4	Form - PCT/RO/101 (Annex)			
0-4-1	PCT Fee Calculation Sheet Prepared using		PCT-EASY Version 2.92 (updated 01.07.2003)	
0-9	Applicant's or agent's file reference		SH-18951-PCT	
2	Applicant		SAMSUNG ELECTRONICS CO., LTD., et al.	
12	Calculation of prescribed fees		fee amount/multiplier	Total amounts (KRW)
12-1	Transmittal fee	T	⇒	45,000
12-2-1	Search fee	S	⇒	150,000
12-2-2	International search to be carried out by		KR	
12-3	International fee			
	Basic fee			
	(first 30 sheets)	b1	530,000	
12-4	Remaining sheets		0	
12-5	Additional amount	(X)	12,000	
12-6	Total additional amount	b2	0	
12-7	b1 + b2 =	B	530,000	
12-8	Designation fees			
	Number of designations contained in international application		97	
12-9	Number of designation fees payable (maximum 5)		5	
12-10	Amount of designation fee	(X)	114,000	
12-11	Total designation fees	D	570,000	
12-12	PCT-EASY fee reduction	R	-163,000	
12-13	Total International fee (B+D-R)	I	⇒	937,000
12-17	TOTAL FEES PAYABLE (T+S+I+P)		⇒	1,132,000
12-19	Mode of payment		cash	

VALIDATION LOG AND REMARKS

13-2-1	Validation messages Request	Green? The title of the invention shall be short and precise. Please verify.
13-2-2	Validation messages States	Green? More designations could be made. The following States have not been designated: JP. Please verify.

PCT (ANNEX - FEE CALCULATION SHEET)

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13-2-1 1	Validation messages For receiving Office/International Bureau use only	Green? Verify electronic data for consistency against printed form.
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